

Patent Abstracts of Japan

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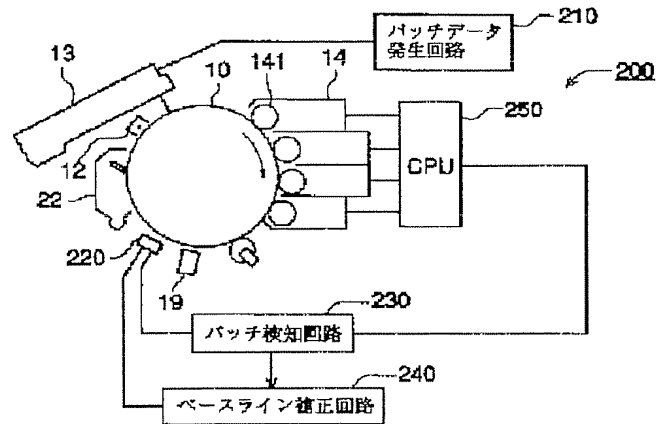
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TITLE : IMAGE FORMING PROCESS
CONTROLLER



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the dispersions of patch detecting output and to improve the color stability by obtaining sampling data whose number is equal to or above a specified number from a test patch whose area is equal to or above a specified area and controlling image forming condition by the arithmetic mean of the sampling data.

SOLUTION: A CPU 250 transmits a test patch signal showing a gray scale from a patch data generation circuit 210 to a write unit 13. The unit 13 transmits a recording signal to a pulse width modulation circuit. The pulse width modulation circuit performs the pulse width modulation of the test patch signal of one scanning line and transmits it to an LD driving circuit. The CPU 250 samples twenty or more data from the test patch formed to be $\geq 20\text{mm}^2$ on the surface of an image carrier 10 by using an image density sensor 220, and inputs the data through a patch detection circuit 230. Thus, a photodiode outputs a signal in accordance with the intensity of light reflected from the test patch developed as an image on the image carrier 10 to the CPU 250 so as to decide the revolving speed of a developing sleeve 141.

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